NYCON-G
ABOUT NYCON.

Nycon pioneered the use of fibers for secondary reinforcement in many products including concrete, asphalt, plastic and soils. A value added manufacturer and supplier, Nycon has a broad portfolio of reinforcing fibers, which include “Green”, nylon, polypropylene, AR glass, steel, macro, high-dosage synthetic fibers, PVA and steel/synthetic blends. All our reinforcing fibers are available in handy “melt-away” water dissolving bags or “toss-in” paper beater bags.
WHAT IS NYCON-G?

NYCON-G is a processed, reclaimed reinforcing fiber that offers plastic shrinkage crack control and superior finish at a dose of 1 pound/cy.
NYCON-G fibers are made from **100% reclaimed post-industrial and post-consumer carpet**. For years, little has been done with carpet waste aside from throwing it away.
Now, thanks to our advanced patented technology (U.S. Patent #6,971,784 and #7,563,017, other US and foreign patents pending), Nycon “harvests” carpet waste much like an agricultural asset. Discarded carpet once taken to landfills is now a resource for producing our proprietary, high-value concrete reinforcing fibers. In addition to conserving landfill space, recycling carpet also saves water and reduces carbon dioxide emissions that contribute to global warming.
MIXING

NYCON-G can be added to the mixing system during or after batching of the ingredients and mixed at high speed for a minimum of five minutes. Additional mixing does not adversely affect the distribution or overall performance of NYCON-G. The addition of NYCON-G at the normal recommended dosage rate does not require any mix design or application changes. A water reducer or super-plasticizer is recommended in concrete products where improved workability is desired.
The Heldrich Hotel & Conference Center
New Brunswick, NJ

NYCON-G assisted the owner of the Heldrich Hotel in achieving the highest LEEDS rating for the building while contributing to the overall quality of the structure. The Heldrich Hotel complex was built using 550 precast architectural panels that incorporated 3 lb NYCON-G per cy.
NYCON-G BENEFITS

- Filament bond with the concrete
- Reduces plastic shrinkage cracking
- Provides multi-dimensional reinforcement
- Improves impact, shatter and abrasion resistance of concrete
- Enhances durability and toughness of concrete
- Excellent “no fuzz” finishability

Because NYCON-G blends with the color of the product & doesn’t float to the surface, it’s virtually invisible in concrete.
The fiber market is constantly changing.

Fluctuations in material cost dictates the price of most reinforcing fibers on the market. However, because Nycon-G is made from reclaimed products, a material with very little cost variation, it is the most price stable fiber on the market.
PUT TO THE TEST - CRACK CONTROL

CONCRETE WITHOUT NYCON-G

Cracked

CONCRETE WITH NYCON-G

Not Cracked
NYCON-G
Nylon, Medium Denier, Superior Finish

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Filament Diameter</td>
<td>12 Denier (57 Microns)</td>
</tr>
<tr>
<td>Fiber Length</td>
<td>Well Graded &lt; 0.75” (19mm)</td>
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<tr>
<td>Specific Gravity</td>
<td>1.10</td>
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<tr>
<td>Tensile Strength</td>
<td>44 ksi (300 MPa)</td>
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<tr>
<td>Flexural Strength</td>
<td>400 ksi (2.8 GPa)</td>
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<tr>
<td>Melting Point</td>
<td>435° F (225° C)</td>
</tr>
<tr>
<td>Color</td>
<td>Tan</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>1% to 3% by Weight</td>
</tr>
<tr>
<td>Alkali Resistance</td>
<td>High</td>
</tr>
<tr>
<td>Concrete Surface</td>
<td>Not Fuzzy</td>
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<tr>
<td>Corrosion Resistance</td>
<td>High</td>
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PACKAGING

SKIDS

BOXES
Nycon Corporation provides concrete solutions world-wide. To connect with a specialist in your area, please call (800) 456-9266 or visit us online at www.nycon.com